

Oxygen-gas fuel burner

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Cited documents:

EP0633228
DE4138434
GB1027041
GB1207499

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Abstract of EP0789191

An oxygen-gas fuel burner (12) for use in a refractory burner block (20) of glass distribution and conditioning channels (14) for thermally treating glass (18). The oxygen-gas fuel burner (12) includes a gas fuel conduit (26) extending to a central fuel outlet (28); a plurality of oxygen conduits (30) circumferentially spaced about the fuel conduit (26) and converging radially to oxygen outlets (32) circumferentially spaced about and concentric with the central fuel outlet (28); and a burner housing (34) including an outer nozzle (38). The outer nozzle (38) surrounds the fuel outlet (28) and the oxygen outlets (32) to provide a burner tip chamber (40) for mixing and combustion of oxygen and gas fuel to produce a flame within the burner tip chamber and extending outward from the burner tip chamber.

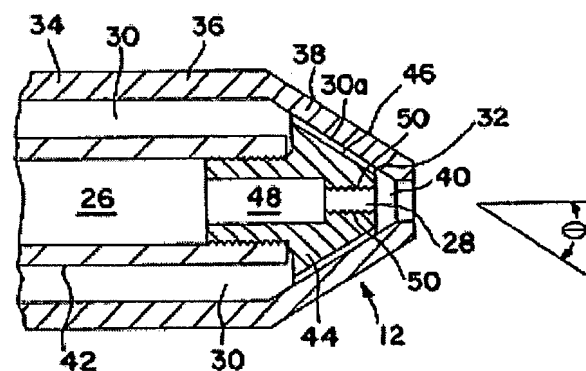


FIG. 3

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